

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|---------------------------------|------------------|---------|------------------|
| L1 | 195 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:16 |
| L2 | 64 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:16 |
| L3 | 1435 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:16 |
| L4 | 2712986 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:16 |
| L5 | 4499397 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:16 |
| L6 | 2915 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:16 |
| L7 | 1338349 | bus interface | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:16 |
| L8 | 5 | (L1 L2) and L3 and L4 and L5 and L6 and L7 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:19 |
| L9 | 341 | Yako.in. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:20 |
| L10 | 4 | Yako.in. and (optical near2 (disk disc medium)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:21 |
| L12 | 66 | (audio and control and speakers and output and (decision determination)).clm. | US-PGPUB | OR | ON | 2007/06/21 12:24 |
| L13 | 26 | (audio and control and speakers and output and (line channel) and (decision determination)).clm. | US-PGPUB | OR | ON | 2007/06/21 12:25 |
| L14 | 16 | (audio and control and speakers and connect\$4 and output and (line channel) and (decision determination)).clm. | US-PGPUB | OR | ON | 2007/06/21 12:25 |
| S1 | 1 | ("20040047253").PN. | US-PGPUB; USPAT | OR | OFF | 2006/07/03 10:20 |
| S2 | 184 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/03 10:20 |
| S3 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/03 10:20 |

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| S4 | 1 | ("20040047253").PN. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 09:38 |
| S5 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 09:38 |
| S6 | 184 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 09:38 |
| S7 | 14052 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 09:38 |
| S8 | 42501 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 09:38 |
| S9 | 1160 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 09:39 |
| S10 | 184 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 17:37 |
| S11 | 14052 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 17:37 |
| S12 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 17:37 |
| S13 | 42501 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 17:37 |
| S14 | 1160 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:37 |
| S15 | 2475690 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:38 |
| S16 | 4165838 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:38 |
| S17 | 2360 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:38 |
| S18 | 1181243 | bus interface | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:39 |
| S19 | 5 | (S10 S12) and S14 and S15 and S16 and S17 and S18 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:42 |
| S20 | 10016 | audio near2 (encoder decoder) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:42 |
| S21 | 4 | S19 and S20 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/07/19 17:42 |

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| S22 | 1 | ("20040047253").PN. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S23 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S24 | 186 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S25 | 1 | ("20040047253").PN. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S26 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S27 | 186 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S28 | 14920 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S29 | 44256 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S30 | 1253 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S31 | 186 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S32 | 14920 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S33 | 60 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 14:06 |
| S34 | 44256 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/01/10 11:26 |
| S35 | 1253 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S36 | 2594854 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S37 | 4336472 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S38 | 2621 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S39 | 1261954 | bus interface | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S40 | 5 | (S31 S33) and S35 and S36 and S37 and S38 and S39 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:10 |

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| S41 | 11061 | audio near2 (encoder decoder) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S42 | 4 | S40 and S41 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 11:26 |
| S43 | 27084 | speaker near2 (output connection) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 15:55 |
| S44 | 1261104 | channel | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:08 |
| S45 | 5 | (S31 S33) and S36 and S38 and (S43 same S44) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:23 |
| S46 | 5 | (S31 S33) and S36 and S38 and (S43 near10 S44) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:12 |
| S47 | 707672 | output near5 control\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:24 |
| S48 | 2825286 | storage memory buffer | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 14:24 |
| S49 | 1566 | speaker near2 (output connection) near2 (information data) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 15:55 |
| S50 | 21 | speaker near2 (connection) near2 (information data) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 16:04 |
| S51 | 182 | speaker near3 connect\$3 near3 detect\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/01/10 16:04 |
| S58 | 15581 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S59 | 45621 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S60 | 1402 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S62 | 15581 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S64 | 45621 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S65 | 1402 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |

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| S66 | 2695573 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S67 | 4473740 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S68 | 2863 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S69 | 1325485 | bus interface | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S71 | 11881 | audio near2 (encoder decoder) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S74 | 15581 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S75 | 45621 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:23 |
| S76 | 1402 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S78 | 2695573 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S79 | 731814 | output near5 control\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S80 | 4473740 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S81 | 2863 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S82 | 11881 | audio near2 (encoder decoder) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S88 | 29258 | speaker near2 (output connection) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S89 | 1402 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:23 |
| S90 | 193 | (369/47.16).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:31 |
| S91 | 63 | (369/47.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/25 15:31 |

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|----------|---------|---|---------------------------------|----|-----|------------------|
| S92 | 2695573 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:31 |
| S93 | 2863 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:31 |
| S94 | 29258 | speaker near2 (output connection) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:31 |
| S95 | 1312150 | channel | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:31 |
| S96 | 7 | (S90 S91) and S92 and S93 and (S94 same S95) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/05/25 15:31 |
| S10 3 | 15716 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |
| S10 4 | 45894 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |
| S10 5 | 1435 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S10 7 | 15716 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |
| S10 9 | 45894 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |
| S11 0 | 1435 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 1 | 2712986 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 2 | 4499397 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 3 | 2915 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 4 | 1338349 | bus interface | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 6 | 12055 | audio near2 (encoder decoder) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S11 9 | 15716 | ("386").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |

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| S12 0 | 45894 | ("369").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/06/21 12:10 |
| S12 1 | 1435 | (prohibit\$4 permission\$2) near7 (audio sound) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S12 3 | 2712986 | memory storage RAM ROM | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S12 4 | 736215 | output near5 control\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S12 5 | 4499397 | channel line | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |
| S12 6 | 2915 | (multi multiple several) near2 channel near2 audio | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2007/06/21 12:10 |